

S/N 10/666,412

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Joseph Wang et al.	Examiner:	Pensee T. Do
Serial No.:	10/666,412	Group Art Unit:	1641
Filed:	September 18, 2003	Docket:	37000-UT-0206
Title:	Electroactive Microspheres and Methods		



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.97(b)(4), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

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Respectfully submitted,

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Date August 3, 2006

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 3rd day of August, 2006.

Janeen Vilven, Reg. No. 47,156
Name

Janeen Vilven
Signature

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		Application Number	10/666,412		
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		First Named Inventor	Wang, Joseph		
		Art Unit	1641		
		Examiner Name	Pensee T. Do		
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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
		US-2002/0155507 A1	10/24/2002	Bruchez, Marcel P., et al.	10/04/2001
		US-2002/0187501 A1	12/12/2002	Huong, Mingxian et al.	03/21/2002
		US-2003/0077625 A1	04/24/2003	Hutchison, James E.	06/27/2002
		US-2003/0082237 A1	05/01/2003	Cha, Jennifer et al.	10/02/2002
		US-2003/0104386 A1	06/05/2003	Kuhr, Werner G., et al.	08/31/2001
		US-2003/0143581 A1	07/31/2003	Franzen, Stefan et al.	09/06/2002
		US-2003/0232354 A1	01/18/2003	Yu, Changjun et al.	01/02/2003
		US-4233144	11/11/1980	Pace, Salvatore J., et al.	04/16/1979
		US-6221586B1	04/24/2001	Barton, Jacqueline K.	04/08/1998
		US-6264825B1	07/24/2001	Blackburn, Gary et al.	06/23/1999
		US-6274323B1	08/14/2001	Bruchez, Marcel P., et al.	05/05/2000
		US-6287765B1	09/11/2001	Cubiccioiti, Roger S.	05/20/1998
		US-6291188B1	09/18/2001	Meade, Thomas J., et al.	08/15/2000
		US-6355224B1	03/12/2002	Shastri, Venkatram R., et al.	09/17/1998
		US-6387624B1	05/14/2002	Fu, Glenn K., et al.	04/14/2000
		US-6461820B1	10/08/2002	Barton, Jacqueline K., et al.	12/29/2000
		US-6485983B1	11/26/2002	Lu, Fang et al.	05/05/1999
		US-6506564B1	01/14/2003	Mirkin, Chad A., et al.	06/26/2000
		US-6528266B2	03/04/2003	Meade, Thomas J.	04/30/2001
		US-6548264B1	04/15/2003	Tan, Welhong et al.	05/17/2000
		US-6548311B1	04/15/2003	Knoll, Meinhard	06/15/2000
		US-6610491B2	08/26/2003	Mirkin, Chad A., et al.	09/28/2001

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/666,412</td> </tr> <tr> <td>Filing Date</td> <td>September 18, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Wang, Joseph</td> </tr> <tr> <td>Art Unit</td> <td>1641</td> </tr> <tr> <td>Examiner Name</td> <td>Pensee T. Do</td> </tr> </table>		Application Number	10/666,412	Filing Date	September 18, 2003	First Named Inventor	Wang, Joseph	Art Unit	1641	Examiner Name	Pensee T. Do
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US PATENT DOCUMENTS					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
		US-6630307B2	10/07/2003	Bruchez, Marcel P., et al.	06/21/2001
		US-6680211B2	01/20/2004	Barbera-Guillem, Emilio et al.	02/14/2003
		US-6682647B1	01/27/2004	Wang, Joseph	05/10/2001
		US-6713308B1	03/30/2004	Lu, Fang et al.	05/12/2000

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	IB-WO9960399 A1	11/25/1999	Cornell/Innovative(Durst),	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CAO, YUNWEI C., et al., "Nanoparticles with Raman Spectroscopic Fingerprints for DNA and RNA Detection", <u>Science</u> , Vol. 297, (Aug 30 2002), 1536-1540	
		CHEN, YONGFEN , et al., "Luminescent CdSe Quantum Dot Doped Stabilized Micelles", <u>Nano Letters</u> , Ameri Chemical Society, Vol. 2, No. 11, (2002), 128801392	
		DU, H. , et al., "Synthesis, Characterization, and Nonlinear Optical Properties of Hybridized CdS--Polystyrene Nanocomposites", <u>Chem. Mater.</u> , Vol. 14, (2002), 4473-4479	
		FERGUSON, JANE A., et al., "High-Density Fiber-Optic DNA Random Microsphere Array", <u>Anal. Chem.</u> , Vol. 72, (2002), 5618-5624	
		HAN, MINGYONG , et al., "Quantum-Dot-Tagged Microbeads for Multiplexed Optical Coding of Biomolecules", <u>Nature Biotechnology</u> , Vol. 19, (July 2001), 631-635	
		MARTIN, CHARLES R., "Template Synthesis of Electronically Conductive Polymer Nanostructures", <u>Acc. Chem. Res.</u> , Vol. 28, (1995), 61-68	
		NICEWARNER-PENA, SHEILA R., et al., "Submicrometer Metallic Barcodes", <u>Science</u> , Vol. 294, (10/05/2001), 137-141	
		ROSENTHAL, SANDRA J., "Bar-Coding Biomolecules with Fluorescent Nanocrystals", <u>Nature Biotechnology</u> , Vol. 19, (July 2001), 621-622	
		TATON, T. A., et al., "Two-Color Labeling of Oligonucleotide Arrays via Size-Selective Scattering of Nanoparticle Probes", <u>J. Am. Chem. Soc.</u> , 123, (2001), 5164--5165	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i> Application Number 10/666,412 Filing Date September 18, 2003 First Named Inventor Wang, Joseph Art Unit 1641 Examiner Name Pensee T. Do	
Sheet	3	of	3	Attorney Docket No: 37000-UT-0206	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		TRAU, DIETER , et al., "Nanoencapsulated Microcrystalline Particles for Superamplified Biochemical Assays", <u>Anal. Chem.</u> , Vol. 74, (2002),5480-5486	
		WANG, JOSEPH , et al., "Electroactive Beads for Ultrasensitive DNA Detection", <u>Amer. Chem.</u> , Vol. 75, (2002),	
		WANG, JOSEPH , et al., "Electrochemical Detection of DNA Hubridization Based on Carbon-Nanotubes loaded with CdS Tags", <u>Electrochemistry Communications</u> , Vol. 5, (2003),1000-1004	
		WANG, JOSEPH , "Electrochemical Nucleic Acid Biosensors", <u>Analytica Chimica Acta</u> , Vol. 469, (2002),36-71	
		WANG, JOSEPH , et al., "Encoded Beads for Electrochemical Identification", <u>Anal. Chem.</u> , Vol. 75, (2003),4667-4671	
		WANG, JOSEPH , et al., "Indium Microrod Tags for Electrochemical Detection of DNA Hybridization", <u>Anal. Chem.</u> , Vol. 75, (2003),6218-6222	
		WANG, JOSEPH , "Nanoparticle-Based Electrochemical DNA Detection", <u>Analytica Chimica Acta</u> , Vol. 500, (2003),247-257	

EXAMINER

DATE CONSIDERED